

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

Claim 1 (Currently Amended): A data display unit for use with field devices, comprising:

a data acquisition device ~~means~~ for reading data from field devices connected to a fieldbus;

a description device ~~means~~ for writing data read by said data acquisition device ~~means~~ to definition files according to a predetermined format to create definition files that define the way the data of said field devices is displayed;

a generation device ~~means~~ for interpreting said definition files wherein data is written to generate display data; and

a display device ~~means~~ for displaying said generated display data on a personal computer on a network,

wherein said definition files are provided on a field device basis.

Claim 2 (Canceled)

Claim 3 (Currently Amended): A data display unit for use with field devices as claimed in claim 1, wherein said definition files define the way diagnostic parameters of said field devices are displayed and said display device ~~means~~ displays the diagnostic parameters of said field devices and the statuses thereof according to definitions provided in said definition files.

Claim 4 (Currently Amended): A data display unit for use with field devices as claimed in claim 1, wherein said definition files are provided on a field device basis, each of said definition files defines the way the diagnostic parameters of each of said field devices, and said display device ~~means~~ separately displays the diagnostic parameters of a plurality of field devices and the statuses thereof on a field device basis according to definitions provided in said definition files.

Claim 5 (Currently Amended): A data display unit for use with field devices as claimed in claim 1 wherein said definition files define under what conditions alarms should be displayed and said display device ~~means~~ displays alarms present in said field devices according to definitions provided in said definition files.

Claim 6 (Currently Amended): A data display unit for use with field devices as claimed in claim 1 wherein said display device ~~means~~ has an area for setting an update interval at which said data acquisition device ~~means~~ reads data from said field devices and said data acquisition device ~~means~~ reads data from said field devices at said update interval set in said update interval setting area.

Claim 7 (Currently Amended): A data display unit for use with field devices as claimed in claim 6 wherein said update interval setting area is provided with a refresh button that allows said data acquisition device ~~means~~ to read data from said field devices at a desired point in time,

and said data acquisition device means reads data from said field devices at said desired point in time set using said refresh button.

Claim 8 (Currently Amended): A data display unit for use with field devices as claimed in claim 1 further comprising definition device means for defining diagnostic parameters to be displayed on a field device basis, wherein said description device means writes to said definition files according to definitions provided in said definition device means.

Claim 9 (New): A data display unit for use with field devices, comprising:

a data acquisition device for reading diagnostic parameter data from field devices connected to a fieldbus;

a description device for writing data read by said data acquisition device to definition files according to a predetermined format to create definition files that define the way the data of said field devices is displayed;

a generation device for interpreting said definition files wherein data is written to generate display data; and

a display device for displaying said generated display data on a personal computer on a network,

wherein said definition files are provided on a field device basis.

Application No. 10/654,926
Art Unit: 2442

Amendment under 37 C.F.R. §1.116
Attorney Docket No. 031062

Claim 10 (New): A data display unit for use with field devices as claimed in claim 9,
wherein said data acquisition unit acquires alarm information from said field devices.